PATENT COOPERATION TREATY

PCT

REC'D 1 9 AUG 2005

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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(PCT Article 36 and Rule 70)

W	Applicant's or agent's file reference WO 37442			Prelimina			ification of Transmittal of International ary Examination Report (Form PCT/IPEA/416)		
PC	International application No. PCT/IB 03/01787			International filing da 08.05.2003		h/year)	Priority date (day/month/year) 08.05.2003		
App	2B37	722	tent Classification (IPC) or bo		n and IPC				
	HONEYWELL INTERNATIONAL INC.								
1.	Thi Aut	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.								
-	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
	These annexes consist of a total of 2 sheets.								
3.	This	repo	rt contains Indications rela	iting to the following	items:				
	1	\boxtimes	Basis of the opinion				,		
	il 		Priority						
	1/7 		Non-establishment of op	pinion with regard to	novelty, inv	entive step and	d industrial applicability		
 IV ☐ Lack of unity of invention V ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to nove citations and explanations supporting such statement 			o novelty, inve	entive step or industrial applicability;					
	VI		Certain documents cited	pp mig odom of	atement				
	VII		Certain defects in the int	ernational application	า				
	VIII		Certain observations on	the international app	lication				
Date o	Date of submission of the demand			Date of co	mpletion of this i	report			
16.11	6.11.2004			22.08.20	005				
Name prelimi	lame and mailing address of the international reliminary examining authority:				Authorized	Officer			
European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016			Sideris, I	VI No. +31 70 340	-3406				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/IB 03/01787

I.	Basis	of the	report

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages						
	1-9		as originally filed					
	Cla	ims, Numbers						
	1-7		received on 09.06.2005 with letter of 09.06.2005					
	Dra	wings, Sheets						
	1/6-	6/6	as originally filed					
2.	Witi lanç	With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.						
	The	se elements were av	ailable or furnished to this Authority in the following language: , which is:					
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).					
			lication of the international application (under Rule 48.3(b)).					
		the language of a tra Rule 55.2 and/or 55.	anslation furnished for the purposes of international preliminary examination (under .3).					
3.	With inte	n regard to any nucl e rnational preliminary	eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:					
		contained in the inte	rnational application in written form.					
		filed together with th	e international application in computer readable form.					
		furnished subsequer	ntly to this Authority in written form.					
		furnished subsequer	ntly to this Authority in computer readable form.					
		The statement that t in the international a	he subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.					
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.					
4.	The	amendments have r	esulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					

International application No.

PCT/IB 03/01787

5 □	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
	been considered to go beyond the disclosure as filed (Hule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims
1-7

No: Claims
1-7

Inventive step (IS)

Yes: Claims
1-7

No: Claims
Industrial applicability (IA)

Yes: Claims
1-7

No:

Claims

2. Citations and explanations

see separate sheet

*Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following document:

D1: US 6 073 447 A (Kawakami)

The document D1 is regarded as being the closest prior art to the subject-matter of claim 1, and shows (see fig. 2 - the references in parentheses applying to this document): A control valve comprising a movable flap (92) for a controlled closing or opening of a fluid passage (66) wherein in the closed state the upstream side of said flap (side that looks towards passage (66) when this passage is closed) extends in a plane being inclined to the extension direction of the passage (66).

The subject-matter of claim 1 differs from this known control valve in that said flap extends substantially in a plane separating said passage in an inlet part and an outlet part being coupled to each other.

The subject-matter of claim 1 is therefore new (Article 33(2) PCT).

The problem to be solved by the present invention may be regarded as a control valve which is installed in and easier way than the valve of D1.

The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

The valve is installed on the separation plane of two parts which are coupled to each other. In this way the installation is easier, since the plane of separation is easily accessible especially when the plane of separation is inclined to the extention direction of a passage.

There is no document sited which would give a hint to the skilled person to install the movable flap on a plane which is inclined to the extention direction of a passage and at the same time separating two parts coupled together in order to arrive to the valve of D1.

Claims 2-7 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.